

What I claim as my invention is:

1. A flood control method, comprising the steps of:

- (a) identifying a flood zone which is an area susceptible to flooding whereby the top surface of a body of water rises and the water flows into, and onto, the flood zone;
- (b) identifying a barrier zone within the flood zone for depositing a flood protection barrier between a rising body of floodwater and an unflooded area;
- (c) providing a support surface within the barrier zone for depositing the flood protection barrier;
- (d) providing a plurality of rigid containers having a bottom panel and a pair of end panels and rigid sidewalls operably connecting the bottom panel and the pair of end panels;
- (e) positioning the rigid containers in an empty state adjacent to one another in an abutting relationship on the surface to form a barrier to flooding;
- (f) attaching at least one of the rigid containers to an adjacent rigid container;
- (g) providing a means of sealing the space between the adjacent containers to prevent the flow of water between the containers.

2. A flood control method, comprising the steps of:

- (a) identifying a flood zone which is an area susceptible to flooding whereby the top surface of a body of water rises and the water flows into, and onto, the flood zone;
- (b) identifying a barrier zone within the flood zone for depositing a flood protection barrier between a rising body of floodwater and an unflooded area;
- (c) providing a support surface within the barrier zone for depositing the flood protection barrier;
- (d) depositing a plurality of rigid bases in an abutting relationship on the support surface and attaching the bases together;
- (e) inserting a plurality of anchoring members through the bases and depositing them into the support surface;
- (f) providing a plurality of rigid containers having a bottom panel and a pair of end panels and rigid sidewalls operably connecting the bottom panel and the pair of end panels;
- (g) positioning the rigid containers in an empty state adjacent to one another in an abutting relationship on the bases to form a barrier to flooding;

- (h) attaching the rigid containers to the bases;
- (i) attaching at least one of the rigid containers to an adjacent rigid container;
- (j) providing a means of sealing the space between the adjacent bases to prevent the flow of water between the bases,
- (k) providing a means of sealing the space between the adjacent containers to prevent the flow of water between the containers,
- (j) and providing a means of sealing the space between the bases and the rigid containers to prevent the flow of water between the bases and the containers.

3. A flood control method, comprising the steps of:

- (a) providing a first anchored base and a skirt, the first anchored base having a metal frame and metal strips and anchoring members, the skirt being impervious to water, and having at least one fixed edge, which is connected to the first base, and at least one free edge, which is unconnected to the first base;
- (b) placing the first anchored base adjacent to a second anchored base proximate to an area that is susceptible to flooding by a rising water level, wherein a ground surface is located between the first and second bases and rising water level;
- (c) providing a first container, the first container having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and end panels;
- (d) placing the first container adjacent to a second container, the containers being deposited over the bases to which the skirts are attached proximate to an area that is susceptible to flooding by a rising water level, to form a barrier against the flooding, wherein a ground surface is located between the first and second bases and the rising water level;
- (e) disposing at least a portion of the free edge of the skirt over at least a portion of the ground surface between the rising water level and the barrier formed by the first and second rigid bases and the first and second rigid containers, wherein at least a portion of the skirt overlaps at least a portion of the second rigid base.

4. A flood control apparatus, comprising:

- (a) a plurality of rigid containers, each rigid container including a outer movable plastic housing which is constructed of plastic pipe and metal frames and which is capable of being moved from location to location, and of being anchored to the surface by two or more anchoring members, and of being attached to a second, adjacent movable plastic housing by two or more fasteners, the movable plastic housings having a bottom panel, a

pair of end panels, and a pair of sidewalls operably connecting the bottom panel and pair of end panels;

(c) the rigid containers are placed end-to-end;

(d) and the attached rigid containers form a barrier.

5. A flood control apparatus, comprising:

(a) a plurality of rigid bases, each base including a metal frame and metal strips and which is capable of being moved from location to location, and of being anchored to support surface by a plurality of anchoring members at a selected location and of being attached to a second, adjacent movable metal base by two or more fasteners wherein the rigid bases are anchored in position by anchoring members in a selected location on a horizontal surface in or proximate an area that is susceptible to flooding by a rising water level, the rigid bases being placed end-to-end;

(b) a plurality of rigid containers, each rigid container including a outer movable plastic housing which is constructed of plastic pipe and metal frames and which is capable of being moved from location to location, and of being attached to the bases by two or more fasteners, and of being attached to a second, adjacent movable plastic housing by two or more fasteners, the movable plastic housings having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and pair of end panels;

(c) the plurality of the rigid containers are attached to the bases;

(d) the rigid containers are placed end-to-end;

(e) and the anchored rigid bases and attached rigid containers form a barrier.

6. A flood control apparatus, comprising:

(a) a plurality of rigid containers, a first rigid container including a outer movable plastic housing which is constructed of plastic pipe and metal frames and which is capable of being moved from location to location, and of being attached to a second, adjacent movable plastic housing by metal brackets, the movable plastic housings having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and pair of end panels, the rigid containers being placed at right angle in an abutting relationship along the edges on the end panels of the containers;

(b) a 90° metal brackets operably connecting the containers together along the edges of the end panels of the containers where the containers connect;

(c) and a metal bracket with 45° bent ends operably connecting the containers along the distal edges of the end panels of the containers.

7. A flood control apparatus, comprising:

(a) a plurality of rigid bases, each base including a metal frame and metal strips and which is capable of being moved from location to location, and of being anchored to support surface by a plurality of anchoring members at a selected location and of being attached to a second, adjacent movable metal base by a metal bracket wherein the rigid bases are anchored in position by anchoring members in a selected location on a horizontal surface in or proximate an area that is susceptible to flooding by a rising water level, the rigid bases being placed at right angle in an abutting relationship along the edges on the support surface;

(b) a plurality of rigid containers, a first rigid container including a outer movable plastic housing which is constructed of plastic pipe and metal frames and which is capable of being moved from location to location, and of being attached to a second, adjacent movable plastic housing by metal brackets, the movable plastic housings having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and pair of end panels, the rigid containers being placed at right angle in an abutting relationship along the edges on the end panels of the containers, and of being attached to the bases by two or more fasteners;

(c) a 90° metal bracket operably connecting the bases together;

(d) a 90° metal brackets operably connecting the containers together along the edges of the end panels of the containers where the containers connect;

(e) and a metal bracket with 45° bent ends operably connecting the containers along the distal edges of the end panels of the containers.

8. A flood control apparatus, comprising:

(a) a plurality of rigid containers, each rigid container having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and pair of end panels by rods, washers and nuts;

(b) the sidewalls being disconnected from the bottom panel and end panels by removing the washers and nuts, and the end panels being detached from the bottom panel by removing the straps and the disassembled containers which are capable of being moved from location to location.

9. A flood control apparatus, comprising:

(a) a plurality of rigid bases, each base including a metal frame and metal strips and a plurality of anchoring members which are capable of being moved from location to location, at a selected location;

(b) a plurality of rigid containers, each rigid container having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and pair of end panels by rods, washers and nuts,

(c) and the sidewalls being disconnected from the bottom panel and end panels by removing the washers and nuts, and the end panels being detached from the bottom panel by removing the straps and the disassembled containers which are capable of being moved from location to location.

10. A flood control apparatus, comprising:

(a) a plurality of rigid bases, each base including a metal frame and metal strips and a plurality of anchoring members which are capable of being moved from location to location, at a selected location;

(b) a plurality of rigid containers, each rigid container having a bottom panel, a pair of end panels, and a pair of sidewalls,

(c) the end panels being attached to the bottom panel by straps, the sidewalls being connected to the bottom panel and end panels by rods, washers and nuts,

(d) the sidewalls operably connecting the bottom panel and pair of end panels to form a water holding receptacle.

11. A flood control apparatus, comprising:

(a) a plurality of rigid containers, each rigid container having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and pair of end panels by rods, washers and nuts;

(b) and a sidewall that is the front side facing the rising water having a water inlet pipe inserted through and sealed to it at a bottom corner and the front sidewall having an air vent pipe inserted through and sealed to it at the top corner;

(c) a one way flow control valve is attached to the water inlet pipe to only allow water to enter the container;

(d) and a one way flow control valve is attached to the air vent pipe to only allow air to exit the container.

12. A flood control apparatus, comprising:

(e) a plurality of rigid bases, each base including a metal frame and metal strips and a plurality of anchoring members which are capable of being moved from location to location;

(f) a plurality of rigid containers, each rigid container having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and pair of end panels by rods, washers and nuts,

(g) and a sidewall that is the front side facing the rising water having a water inlet pipe inserted through and sealed to it at a bottom corner and the front sidewall having an air vent pipe inserted through and sealed to it at the top corner,

(h) a one way flow control valve is attached to the water inlet pipe to only allow water to enter the container,

(i) and a one way flow control valve is attached to the air vent pipe to only allow air to exit the container.

13. A flood control method, comprising the steps of:

(a) providing a plurality of rigid containers, each container having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and pair of end panels which is capable of being moved from location to location, and the rigid containers being configured to provide an adequate and safety level of structural support for the load bearing requirements of the flood barrier system, the containers being configured so that they can be stacked thereby forming a stack of containers, the stack of containers being able to provide an adequate and safety level of structural support for the load bearing requirements of the flood barrier system; and

(b) positioning the plurality of rigid bases and rigid containers at a selected location proximate to an area that is susceptible to flooding by a rising water level, the rigid containers being positioned at the selected location in an abutting relationship, to form a barrier, wherein the rigid containers being able to provide an adequate and safety level of structural support for the load bearing requirements of the flood barrier system.

14. A flood control method, comprising the steps of:

(a) providing a plurality of rigid bases, each base including a metal frame and metal strips being anchored to a support surface by a plurality of anchoring members which is capable of being moved from location to location;

(b) providing a plurality of rigid containers, each container having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and pair of end panels which is capable of being moved from location to location, and the rigid bases and rigid containers being configured to provide an adequate and safety level of structural support for the load bearing requirements of the flood barrier system, the containers being configured so that they can be stacked thereby forming a stack of containers, the stack of containers being able to provide an adequate and safety level of structural support for the load bearing requirements of the flood barrier system; and

(c) positioning the plurality of rigid bases and rigid containers at a selected location proximate to an area that is susceptible to flooding by a rising water level, the rigid bases and rigid containers being positioned at the selected location in an abutting relationship, to form a barrier, wherein the rigid bases and rigid containers being able to provide an adequate and safety level of structural support for the load bearing requirements of the flood barrier system.

15. A flood control method, comprising the steps of:

(a) providing a plurality of rigid containers, each container having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and pair of end panels which is capable of being moved from location to location, and the rigid containers being configured to provide an adequate and safety level of structural support for the load bearing requirements of the flood barrier system, the containers being configured so that they can be stacked thereby forming a stack of containers, the stack of containers being able to provide an adequate and safety level of structural support for the load bearing requirements of the flood barrier system;

(b) positioning the plurality of rigid containers at a selected location proximate to an area that is susceptible to flooding by a rising water level, the rigid containers being positioned at the selected location in an abutting relationship, to form a barrier, wherein the rigid containers being able to provide an adequate and safety level of structural support for the load bearing requirements of the flood barrier system;

(c) wherein the rigid containers are transportable and include plastic pipe and frame constructed of steel, the container being capable of being moved from location to location, of being attached to the base by two or more fasteners, and of being attached to a second, adjacent container by two or more fasteners, the containers having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and pair of end panels.

16. A flood control method, comprising the steps of:

(a) providing a plurality of rigid bases, each base including a metal frame and metal strips being anchored to a support surface by a plurality of anchoring members which is capable of being moved from location to location;

(b) providing a plurality of rigid containers, each container having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and pair of end panels which is capable of being moved from location to location, and the rigid bases and rigid containers being configured to provide an adequate and safety level of structural support for the load bearing requirements of the flood barrier system, the containers being configured so that they can be stacked thereby forming a stack of containers, the stack of containers being able to provide an adequate and safety level of structural support for the load bearing requirements of the flood barrier system;

(c) positioning the plurality of rigid bases and rigid containers at a selected location proximate to an area that is susceptible to flooding by a rising water level, the rigid bases and rigid containers being positioned at the selected location in an abutting relationship, to form a barrier, wherein the rigid bases and rigid containers being able to provide an adequate and safety level of structural support for the load bearing requirements of the flood barrier system;

(d) wherein the rigid bases are transportable and include a frame and strips constructed of steel, the base being capable of being moved from location to location, of being anchored to the ground by anchoring members in a selected location, and of being attached to a second, adjacent steel base by two or more fasteners; and

(e) wherein the rigid containers are transportable and include plastic pipe and frame constructed of steel, the container being capable of being moved from location to location, of being attached to the base by two or more fasteners, and of being attached to a second, adjacent container by two or more fasteners, the containers having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and pair of end panels.

17. A flood control method, comprising the steps of:

(a) providing a plurality of rigid containers, each container having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and pair of end panels that is capable of being moved from location to location;

(b) and the rigid containers being configured to provide an adequate and safety level of structural support for the load bearing requirements of the flood barrier system, the containers being configured so that they can be stacked thereby forming a stack of containers, the stack of containers being able to provide an adequate and safety level of structural support for the load bearing requirements of the flood barrier system

(c) positioning the plurality of the rigid containers at a selected location proximate to an area that is susceptible to flooding by a rising water level, the rigid containers being positioned at the selected location in an abutting relationship, to form a barrier, wherein the rigid containers being able to provide an adequate and safety level of structural support for the load bearing requirements of the flood barrier system;

(d) additionally comprising the step of attaching a bladder to the water inlet port inside the rigid containers; and

(e) then using the pressure of the rising water level outside the outer containers to fill the bladder.



17. A flood control method, comprising the steps of:

(a) providing a plurality of rigid bases, each base including a metal frame and metal strips being anchored to a support surface by a plurality of anchoring members which is capable of being moved from location to location;

(b) providing a plurality of rigid containers, each container having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and pair of end panels that is capable of being moved from location to location;

(c) and the rigid bases and rigid containers being configured to provide an adequate and safety level of structural support for the load bearing requirements of the flood barrier system, the containers being configured so that they can be stacked thereby forming a stack of containers, the stack of containers being able to provide an adequate and safety level of structural support for the load bearing requirements of the flood barrier system;

(d) positioning the plurality of the rigid bases and rigid containers at a selected location proximate to an area that is susceptible to flooding by a rising water level, the rigid bases and rigid containers being positioned at the selected location in an abutting relationship, to form a barrier, wherein the rigid bases and rigid containers being able to provide an adequate and safety level of structural support for the load bearing requirements of the flood barrier system;

(f) additionally comprising the step of attaching a bladder to the water inlet port inside the rigid containers; and

(g) then using the pressure of the rising water level outside the outer containers to fill the bladder.

18. The flood control method of claim 17, additionally comprising the step of draining the water from the bladder by removing the one-way flow valves.

19. A flood control method, comprising the steps of:

(a) providing a plurality of rigid containers, each container having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and pair of end panels that is capable of being moved from location to location;

(b) and the rigid containers being configured to provide an adequate and safe level of structural support for the load bearing requirements of the flood barrier system, the containers being configured so that they can be stacked thereby forming a stack of containers, the stack of containers being able to provide an adequate and safe level of structural support for the load bearing requirements of the flood barrier system; and

(d) positioning the plurality of the rigid containers at a selected location proximate to an area that is susceptible to flooding by a rising water level, the rigid containers being positioned at the selected location in an abutting relationship, to form a barrier, wherein the rigid containers being able to provide an adequate and safe level of structural support for the load bearing requirements of the flood barrier system;

(d) wherein the rigid containers are adjacent to one another, forming a space between them, the method additionally comprising the step of sealing the space to prevent water from flowing between the adjacent rigid containers.

20. A flood control method, comprising the steps of:

(a) providing a plurality of rigid bases, each base including a metal frame and metal strips being anchored to a support surface by a plurality of anchoring members which is capable of being moved from location to location;

(b) providing a plurality of rigid containers, each container having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and pair of end panels that is capable of being moved from location to location;

(c) and the rigid bases and rigid containers being configured to provide an adequate and safe level of structural support for the load bearing requirements of the flood barrier system, the containers being configured so that they can be stacked thereby forming a stack of containers, the stack of containers being able to provide an adequate and safe level of structural support for the load bearing requirements of the flood barrier system; and

(d) positioning the plurality of the rigid bases and rigid containers at a selected location proximate to an area that is susceptible to flooding by a rising water level, the rigid bases and rigid containers being positioned at the selected location in an abutting relationship, to form a barrier, wherein the rigid bases and rigid containers being able to provide an adequate and safe level of structural support for the load bearing requirements of the flood barrier system;

(e) wherein the rigid bases are adjacent to one another, forming a space between them, the method additionally comprising the step of sealing the space to prevent water from flowing between the adjacent rigid bases;

(f) wherein the rigid bases and rigid containers are adjacent to one another, forming a space between them, the method additionally comprising the step of sealing the space to prevent water from flowing between the adjacent rigid bases and rigid containers; and

(g) wherein the rigid containers are adjacent to one another, forming a space between them, the method additionally comprising the step of sealing the space to prevent water from flowing between the adjacent rigid containers.

21. The flood control method of claim 20, comprising the steps of:

- (a) providing rubber gaskets which are sealed to the edges of the metal frames;
- (b) positioning the plurality of the rigid containers at a selected location proximate to an area that is susceptible to flooding by a rising water level, the rigid containers being positioned at the selected location in an abutting relationship, to form a barrier; and

wherein the step of sealing the space between the rigid containers positioned at the selected location in an abutting relationship includes tightening the fasteners on the containers.

22. The flood control method of claim 20, comprising the steps of:

- (a) providing rubber gaskets which are sealed to the edges of the metal frames;
- (b) positioning the plurality of the rigid bases and rigid containers at a selected location proximate to an area that is susceptible to flooding by a rising water level, the rigid bases and rigid containers being positioned at the selected location in an abutting relationship, to form a barrier; and

(c) wherein the step of sealing the space between the rigid bases and rigid containers positioned at the selected location in an abutting relationship includes tightening the fasteners on the bases and containers.

23. A flood control method, comprising the steps of:

(a) providing a first container and a skirt, the first container having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and end panels, the skirt being impervious to water, and having at least one fixed edge, which is connected to the first container, and at least one free edge, which is unconnected to the first container;

(b) placing the first container adjacent to a second container, the containers being deposited on to the surface proximate to an area that is susceptible to flooding by a rising water level, wherein a ground surface is located between the first and second containers and rising water level to which the skirts are attached proximate to an area that is susceptible to flooding by a rising water level; and

(c) disposing at least a portion of the free edge of the skirt over at least a portion of the ground surface between the body of water and the barrier formed by the first and second containers, wherein an air space is formed between the first and second rigid containers, and wherein at least a portion of the skirt covers the air space.

24. A flood control method, comprising the steps of:

- (a) providing a first anchored base and a skirt, the first anchored base having a metal frame and metal strips and anchoring members, the skirt being impervious to water, and having at least one fixed edge, which is connected to the first base, and at least one free edge, which is unconnected to the first base;
- (b) placing the first anchored base adjacent to a second anchored base proximate to an area that is susceptible to flooding by a rising water level, wherein a ground surface is located between the first and second bases and rising water level;
- (c) disposing at least a portion of the free edge of the skirt over at least a portion of the ground surface between the rising water level and the barrier formed by the first and second rigid bases and the first and second rigid containers, wherein at least a portion of the skirt overlaps at least a portion of the second rigid base;
- (d) providing a first container, the first container having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and end panels;
- (e) placing the first container adjacent to a second container, the containers being deposited over the bases to which the skirts are attached proximate to an area that is susceptible to flooding by a rising water level, to form a barrier against the flooding, wherein a ground surface is located between the first and second bases and the rising water level; and
- (f) disposing at least a portion of the free edge of the skirt over at least a portion of the ground surface between the body of water and the barrier formed by the first and second bases and the first and second containers, wherein an air space is formed between the first and second rigid bases, and wherein at least a portion of the skirt covers the air space.

25. A flood control method, comprising the steps of:

- (a) providing a first container and a skirt, the first container having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and end panels, the skirt being impervious to water, and having at least one fixed edge, which is connected to the first container, and at least one free edge, which is unconnected to the first container;
- (b) placing the first container adjacent to a second container, the containers being deposited on to the surface proximate to an area that is susceptible to flooding by a rising water level, wherein a ground surface is located between the first and second containers and rising water level to which the skirts are attached proximate to an area that is susceptible to flooding by a rising water level; and

(c) disposing at least a portion of the free edge of the skirt over at least a portion of the ground surface between the body of water and the barrier formed by the first and second containers, wherein at least a portion of the skirt overlaps at least a portion of the second rigid container;

(d) disposing at least a portion of the free edge of the skirt over at least a portion of the ground surface between a rising water level and the barrier formed by the first and second rigid containers, wherein at least a portion of the free edge of the skirt is held in place by pipes and weighted containers.

26. A flood control method, comprising the steps of:

(a) providing a first anchored base and a skirt, the first anchored base having a metal frame and metal strips and anchoring members, the skirt being impervious to water, and having at least one fixed edge, which is connected to the first base, and at least one free edge, which is unconnected to the first base;

(a) placing the first anchored base adjacent to a second anchored base proximate to an area that is susceptible to flooding by a rising water level, wherein a ground surface is located between the first and second bases and rising water level;

(b) disposing at least a portion of the free edge of the skirt over at least a portion of the ground surface between the rising water level and the barrier formed by the first and second rigid bases and the first and second rigid containers, wherein at least a portion of the skirt overlaps at least a portion of the second rigid base;

(c) providing a first container, the first container having a bottom panel, a pair of end panels, and a pair of sidewalls operably connecting the bottom panel and end panels;

(d) placing the first container adjacent to a second container, the containers being deposited over the bases to which the skirts are attached proximate to an area that is susceptible to flooding by a rising water level, to form a barrier against the flooding, wherein a ground surface is located between the first and second bases and the rising water level; and

(e) disposing at least a portion of the free edge of the skirt over at least a portion of the ground surface between a rising water level and the barrier formed by the first and second rigid bases and the first and second rigid containers, wherein at least a portion of the free edge of the skirt is held in place by pipes and weighted containers.